

Quick Start Guide Telephone 3100 D21P

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Phoneserve
2 Harbour Exchange Square, London
E14 9GE, UNITED KINGDOM
Tel: + 44 (0) 20 7517 7100
Fax: + 44 (0) 20 7517 7101

Website: www.phoneserve.com
Sales Information: Sales@phoneserve.com
Partnership Information: Partners@phoneserve.com
Media Information: PR@phoneserve.com

Getting to know your Telephone 3100

Figure 1:



Before you begin

In order to assist programming, The Telephone 3100 SIP uses a built-in LCD screen on the phone (see figure 1 above).

There are only five elements that must be in place to permission VoIP calls.

Note: There are others which are not pre-requisites, but which can improve the user's experience of the device.

Please make sure you have the following information before you start configuring your Telephone 3100 SIP:

- 1) **ISP dialup phone number**
- 2) **ISP username**
- 3) **ISP password**
- 4) **Phoneserve proxy name/address**
- 5) **Phoneserve 18-digit account number.**

The navigation menu is achieved through the phone “**Menu**”, “**Cancel**”, “**OK**”, “**DEL**” and cursor buttons. At the end of this guide there is an illustration of these menu trees and options.

When entering number or letters from the keyboard there are four character sets available. You can switch between these sets by use of the MENU key – each press steps through the four options, which are;

- Lowercase letters,
- Uppercase letters,
- Numbers,
- Symbols.

You can tell which mode you are in (other than by typing and looking) from the small icon at top right of the LCD display. For each of those four options the character changes to e, E, 1, #.

Configuring the Telephone 3100 SIP

Power the phone and wait until its display shows that booting is complete.

Press the **MENU** key, then use the cursor keys to scroll through the menu options. They are:

- 1 Call Log
- 2 Phone Book
- 3 Ring/Volume
- 4 Forward [Dis]
- 5 **Setup**
- 6 Information
- 7 Reboot (to reset the device)

Scroll down to option 5, “**Setup**” and press the “OK” button.

You will be prompted to **Enter Password**.

Enter **20021218** and accept by pressing on “OK” – you are now in the Admin setup submenu.

Please be aware that you might need a different password to set up other options: **0000**

Menu options for **Setup** are:

- ↳1 My Phone
- ↳2 Network
- ↳3 **Call Setup***
- ↳4 **Modem***
- ↳5 **Time***
- ↳6 **PSTN***
- ↳7 Default

* Information for configuration of these options is available in this QSG.

Call Setup Menu

In Setup Menu, scroll down to option 3 “**Call Setup**”, where you will display three new menu choices:

- ↳1 Service
- ↳2 Option
- ↳3 Reload

↳Service

Select “**Service**” and press “OK”

- Option 1 is now “**User ID**”. Press OK, enter your **18-digit Phonserve account number**, and press OK again. (Note – if there are already characters in this field you can use the “DEL” button to delete them.)
- Now cursor down to item 2 – “**Proxy**” and press OK. Make sure that the option “**1: Pri-Proxy**” is highlighted, press OK. Use the keypad to enter in this field **sip186.phonserve.com** then press OK.

Press **CANCEL** to get back to the “Proxy” menu choice.

- Scroll down to item 4: “**SIP Port**” and press OK. If this field does not already contain **5060**, enter that and press OK. If it is already there, simply press CANCEL to get back to the Sip Port prompt.

Press **CANCEL** again to return to the **Call Setup menu**.

↳Option

- Cursor down to “**2: Option**” and press OK. Select menu item 1: **Registration** and press OK. Choose option 2 “**Disable**” and then OK.
Press **CANCEL** to get back to the **Call Setup** menu,

↳Reload

- Please cursor down to item 3 “**Reload**”. Press OK, you will now be prompted to **SIP Stack Reload** – select **YES** with the cursor keys then OK.

You will see a “please wait” message while it reloads, then you will return to the Call Setup menu.

Press CANCEL to return to the **Setup** menu.

Modem Menu

Cursor down to item 4: “**Modem**” and press OK.
The cursor will be highlighting “**Profile 1**”, press OK to edit this profile 1 menu.

“**Item 1**” allows you to give this dial-up setting a name, the name of your ISP perhaps.

“**Item 2**” is where you enter the phone number of your dial-up ISP account

“**Item 3**” is where you enter your account name with your ISP

“**Item 4**” is where you enter the password for your ISP account

When all this is completed, pressing Cancel will take you back to the modem menu, where you can enter two alternate ISP’s details if you wish. (may be useful if your first-choice ISP has service problems).

“**Option 4**” in the Modem menu selects the active modem profile. If you have only entered details for profile 1 this should of course be set to Profile 1 too.

“**Option 5**” in the modem menu is “**Modem Option**” . Its elements should be set thus:

↳1 **Country code: 85** (United Kingdom)

↳2 **Dial Type: Tone**

↳3 **Timeout: 60** – seconds until modem drops if not in use

- ↳4 **Speaker: ON** – allows you to hear modem dialling and negotiation
- ↳5 **Module: V.90** – allows faster connection where available
- ↳6 **Lcp Echo: Enable** – usually allows quicker negotiation – can be disabled.
- ↳7 **Qmonitor: Enable** – Although only useful for PC connection examination, it is harmless and may be left enabled.

What follow are enhancements, not necessary for VoIP use.

Time Menu

Setup menu item 5 “**Time**”

Enables entry of a network timeserver name or address, as well as time zone and use of Summer-Time clock-advance.

time.nist.gov seems to work as a timeserver.

PSTN Menu

Setup menu item 6 “**PSTN**”

Sub-item 3 – set country code appropriately (85 for UK)

If the phone is set to use DHCP for its network port, yet is connected only by the PSTN phone line, the display will keep showing that the phone is waiting for DHCP address. To prevent this annoyance, set the phone to fixed IP and enter any value as an IP address.

Go to SETUP menu (via password) and cursor to item 2 – Network. Set mode to Static and give it any IP address.

Configuration for broadband connection

Connect your Telephone to your network.

In the menu Setup, access the submenu Network.

In the option “**Mode**” you can select DHCP or LAN.

When selecting DHCP, the Telephone will take automatically an IP address, the information of the IP address for the subnet mask, the IP address of the default gateway and the IP addresses for the DNS1 and DNS2.

If you don't have DHCP facilities in your network, then you will need to select LAN and enter all these values manually by accessing each option, editing and accepting it by pressing **OK**.

Using the phone

At default, the phone will use PSTN to dial out. Go off-hook or press hands-free and you get PSTN dial tone.

In this state (PSTN line not busy) the phone will also receive incoming PSTN calls.

To call out over VoIP, first press the DISP button (whilst on-hook)

The LCD display, and sounds from the phone speaker, will show the device dialling and connecting to the chosen ISP. When that connection is complete the small green DISP LED will illuminate. The LCD shows "please wait" while the IP connection completes. After that, the phone is ready for VoIP use.

Pick up the handset or press handsfree and dial.

You will notice that if this is the first time the phone has made an Internet connection, the timeserver will set the clock.

When the VoIP call is finished you can hang up and dial the next call without having to disconnect from the ISP. When the final call is finished, pressing the DISP button again will cause the modem to disconnect, extinguishing the DISP LED and returning the phone to a mode able to make and receive PSTN calls.

Changing settings or re-setting your device to factory settings

If the device has customised firmware there is no way to change the provider.

Otherwise, you can do it through the web interface: `http://IP:8763`

`<http://ip:8763/>`

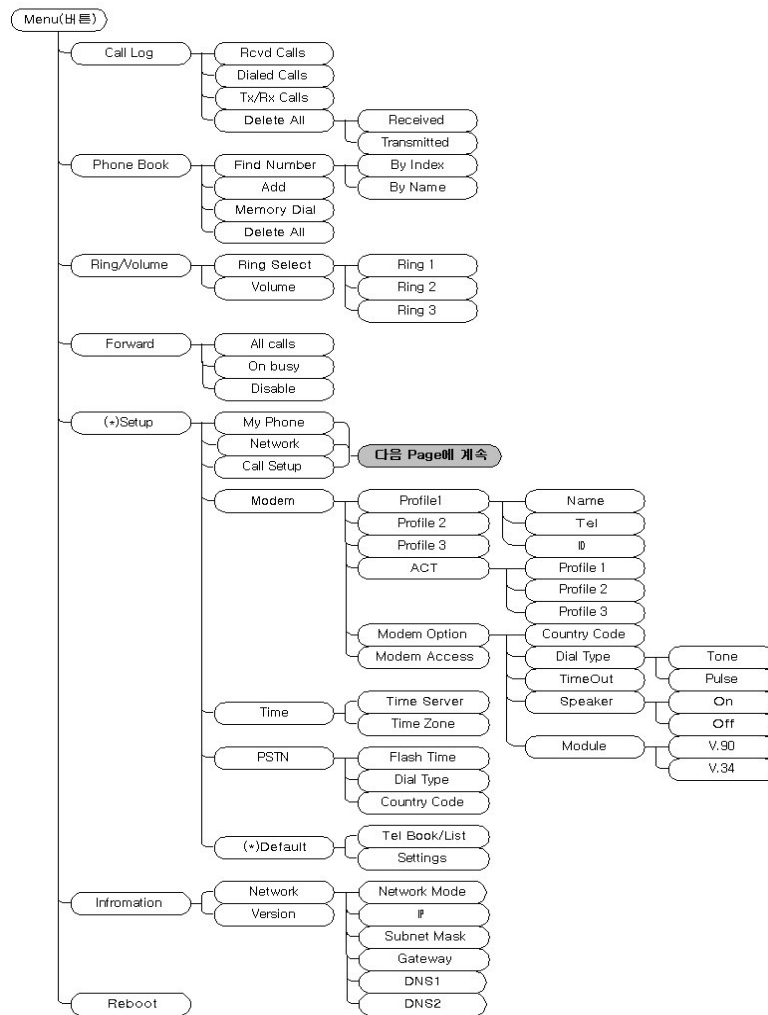
- Here IP means the IP address of the phone
- 8763 is the default web server port of the IP phone
- Please note that you have to use colon(:) between IP and port.

ID : admin

PW : superuser

Or by re-setting the device to factory settings and configuring it again. See the menu tree in its QSG: Setup menu / Default / Settings

Main Menu Tree



Detailed setup menus – continued from sheet one

